

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 9, 2003, 12:34:22 ; Search time 58.766 Seconds

(without alignments)
131.654 Million cell updates/sec

Title: US-09-785-058-9

Perfect score: 61

Sequence: 1 RVRRVVRWVR 12

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 4569144 segs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 10%

Listing first 45 summaries

Database : Pending Parents AA Main:*

1: /cgn2_6/prodata/1/paa/PCTUS_COMB.pep.*
2: /cgn2_6/prodata/1/paa/US06_COMB.pep.*
3: /cgn2_6/prodata/1/paa/US07_COMB.pep.*
4: /cgn2_6/prodata/1/paa/US08_COMB.pep.*
5: /cgn2_6/prodata/1/paa/US081_COMB.pep.*
6: /cgn2_6/prodata/1/paa/US082_COMB.pep.*
7: /cgn2_6/prodata/1/paa/US083_COMB.pep.*
8: /cgn2_6/prodata/1/paa/US084_COMB.pep.*
9: /cgn2_6/prodata/1/paa/US085_COMB.pep.*
10: /cgn2_6/prodata/1/paa/US086_COMB.pep.*
11: /cgn2_6/prodata/1/paa/US087_COMB.pep.*
12: /cgn2_6/prodata/1/paa/US088_COMB.pep.*
13: /cgn2_6/prodata/1/paa/US089_COMB.pep.*
14: /cgn2_6/prodata/1/paa/US090_COMB.pep.*
15: /cgn2_6/prodata/1/paa/US091_COMB.pep.*
16: /cgn2_6/prodata/1/paa/US092_COMB.pep.*
17: /cgn2_6/prodata/1/paa/US093_COMB.pep.*
18: /cgn2_6/prodata/1/paa/US094_COMB.pep.*
19: /cgn2_6/prodata/1/paa/US095_COMB.pep.*
20: /cgn2_6/prodata/1/paa/US096_COMB.pep.*
21: /cgn2_6/prodata/1/paa/US097_COMB.pep.*
22: /cgn2_6/prodata/1/paa/US098_COMB.pep.*
23: /cgn2_6/prodata/1/paa/US099_COMB.pep.*
24: /cgn2_6/prodata/1/paa/US100_COMB.pep.*
25: /cgn2_6/prodata/1/paa/US101_COMB.pep.*
26: /cgn2_6/prodata/1/paa/US102_COMB.pep.*
27: /cgn2_6/prodata/1/paa/US60_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	61	100.0	12	1	PCT-US02-04432-9
2	61	100.0	12	1	PCT-US02-04812-9
3	61	100.0	12	21	US-09-785-058-9
4	61	100.0	12	21	US-09-785-058-9
5	61	100.0	12	24	US-10-079-075-10
6	61	100.0	24	1	PCT-US02-04432-10

7	61	100.0	24	1	PCT-US02-04812-10	Sequence 10, Appl
8	61	100.0	24	21	US-09-785-058-10	Sequence 10, Appl
9	61	100.0	24	21	US-09-785-058-10	Sequence 10, Appl
10	61	100.0	24	24	US-10-079-075-10	Sequence 10, Appl
11	61	100.0	36	1	PCT-US02-04432-11	Sequence 11, Appl
12	61	100.0	36	1	PCT-US02-04812-11	Sequence 11, Appl
13	61	100.0	36	21	US-09-785-058-11	Sequence 11, Appl
14	61	100.0	36	21	US-09-785-058-11	Sequence 11, Appl
15	61	100.0	36	24	US-10-079-075-11	Sequence 11, Appl
16	61	100.0	48	1	PCT-US02-04432-12	Sequence 12, Appl
17	61	100.0	48	1	PCT-US02-04812-12	Sequence 12, Appl
18	61	100.0	48	21	US-09-785-058-12	Sequence 12, Appl
19	61	100.0	48	21	US-09-785-058-12	Sequence 12, Appl
20	61	100.0	48	24	US-10-079-075-12	Sequence 12, Appl
21	61	100.0	12	1	PCT-US02-04432-4	Sequence 4, Appl
22	47	77.0	12	1	PCT-US02-04812-4	Sequence 4, Appl
23	47	77.0	12	21	US-09-785-058-4	Sequence 4, Appl
24	47	77.0	12	21	US-09-785-058-4	Sequence 4, Appl
25	47	77.0	12	24	US-10-079-075-4	Sequence 4, Appl
26	47	77.0	12	24	PCT-US02-04432-5	Sequence 5, Appl
27	47	77.0	24	1	PCT-US02-04812-5	Sequence 5, Appl
28	47	77.0	24	21	US-09-785-058-5	Sequence 5, Appl
29	47	77.0	24	21	US-09-785-058-5	Sequence 5, Appl
30	47	77.0	24	24	US-10-079-075-5	Sequence 5, Appl
31	47	77.0	36	1	PCT-US02-04432-6	Sequence 6, Appl
32	47	77.0	36	1	PCT-US02-04812-6	Sequence 6, Appl
33	47	77.0	36	21	US-09-785-058-6	Sequence 6, Appl
34	47	77.0	36	21	US-09-785-058-6	Sequence 6, Appl
35	47	77.0	36	24	US-10-079-075-6	Sequence 6, Appl
36	47	77.0	42	1	PCT-US02-04432-7	Sequence 7, Appl
37	47	77.0	42	1	PCT-US02-04812-7	Sequence 7, Appl
38	47	77.0	42	21	US-09-785-058-7	Sequence 7, Appl
39	47	77.0	42	21	US-09-785-058-7	Sequence 7, Appl
40	47	77.0	42	24	US-10-079-075-7	Sequence 7, Appl
41	47	77.0	48	1	PCT-US02-04432-8	Sequence 8, Appl
42	47	77.0	48	1	PCT-US02-04812-8	Sequence 8, Appl
43	47	77.0	48	21	US-09-785-058-8	Sequence 8, Appl
44	47	77.0	48	21	US-09-785-058-8	Sequence 8, Appl
45	47	77.0	48	24	US-10-079-075-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
PCT-US02-04432-9
Sequence 9, Application PC/TUS0204432
GENERAL INFORMATION:
APPLICANT: Ronald C. Montelaro
TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
FILE REFERENCE: A4401-PCT / 072396.0223
CURRENT APPLICATION NUMBER: PCT/US02/04432
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 9
LENGTH: 12
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04432-9

Query Match 100.0%, Score 61, DB 1, Length 12;
Best Local Similarity 100.0%, Pred. No. 0.011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 1 RVRRVVRWVR 12
1 RVRRVVRWVR 12

```
RESULT 2
PCT-US02-04812-9
; Sequence 9, Application PC/TUS0204812
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04812
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04812-9
Query Match      100.0%; Score 61; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RVRRVRRVRR 12
      |||||
Db      1 RVRRVRRVRR 12

RESULT 3
US-09-785-058-9
; Sequence 9, Application US/09785058
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A 34001 / 072396.0222
; CURRENT APPLICATION NUMBER: US/09/785,058
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-058-9
Query Match      100.0%; Score 61; DB 21; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RVRRVRRVRR 12
      |||||
Db      1 RVRRVRRVRR 12

RESULT 4
US-09-785-059-9
; Sequence 9, Application US/09785059
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A33577 / 072396.0217
; CURRENT APPLICATION NUMBER: US/09/785,059
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 12
; TYPE: PRT
```

```
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-059-9
Query Match      100.0%; Score 61; DB 21; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RVRRVRRVRR 12
      |||||
Db      1 RVRRVRRVRR 12

RESULT 5
US-10-079-075-9
; Sequence 9, Application US/10079075
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-A / 072396.0222
; CURRENT APPLICATION NUMBER: US/10/079,075
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-10-079-075-9
Query Match      100.0%; Score 61; DB 24; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RVRRVRRVRR 12
      |||||
Db      1 RVRRVRRVRR 12
```

```
RESULT 6
PCT-US02-04432-10
; Sequence 10, Application PC/TUS0204432
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04432
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04432-10
Query Match      100.0%; Score 61; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.022;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RVRRVRRVRR 12
      |||||
Db      13 RVRRVRRVRR 24

RESULT 7
```

PCT-US02-04812-10
; Sequence 10, Application PC/TUS0204812
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mieczner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04812
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04812-10

Query Match 100.0%; Score 61; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.022;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVVVRRWVR 12
| | | | | | | | | |
Db 13 RRVVVVRRWVR 24

RESULT 8
US-09-785-058-10
; Sequence 10, Application US/09785058
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mieczner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A 34001 / 072396.0222
; CURRENT APPLICATION NUMBER: US/09/785,058
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-058-10

Query Match 100.0%; Score 61; DB 21; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.022;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVVVRRWVR 12
| | | | | | | | | |
Db 13 RRVVVVRRWVR 24

RESULT 9
US-09-785-059-10
; Sequence 10, Application US/09785059
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mieczner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A33577 / 072396.0217
; CURRENT APPLICATION NUMBER: US/09/785,059
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-059-10

Query Match 100.0%; Score 61; DB 21; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.022;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVVVRRWVR 12
| | | | | | | | | |
Db 13 RRVVVVRRWVR 24

RESULT 10
US-10-079-075-10
; Sequence 10, Application US/10079075
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mieczner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-A / 072396.0222
; CURRENT APPLICATION NUMBER: US/10/079,075
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-10-079-075-10

Query Match 100.0%; Score 61; DB 24; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.022;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVVVRRWVR 12
| | | | | | | | | |
Db 13 RRVVVVRRWVR 24

RESULT 11
PCT-US02-04432-11
; Sequence 11, Application PC/TUS0204432
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mieczner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04432
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04432-11

Query Match 100.0%; Score 61; DB 1; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.033;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVVVRRWVR 12
| | | | | | | | | |
Db 7 RRVVVVRRWVR 18

RESULT 12
PCT-US02-04812-11

Search completed: June 9, 2003, 13:07:21
Job time : 58.766 secs